



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/089,862

DATE: 04/06/2004

TIME: 12:17:21

Input Set : A:\1321.2.34 Sequence Listing.ST25.txt

Output Set : N:\CRF4\04062004\J089862.raw

Does Not Comply
Corrected Diskette Needed
(p5.4)

3 <110> APPLICANT: Jones, David
4 Manos, Elizabeth
6 <120> TITLE OF INVENTION: TRDL-1 gamma, A NOVEL TUMOR NECROSIS-LIKE LIGAND
8 <130> FILE REFERENCE: 1321.2.34
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/089,862
C--> 10 <141> CURRENT FILING DATE: 2002-04-02
10 <150> PRIOR APPLICATION NUMBER: 60/157,913
11 <151> PRIOR FILING DATE: 1999-10-06
13 <160> NUMBER OF SEQ ID NOS: 5
15 <170> SOFTWARE: PatentIn version 3.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 1607
19 <212> TYPE: DNA
20 <213> ORGANISM: Homo sapiens
22 <400> SEQUENCE: 1
23 cctaattctc ctgaggctga gggagggtgg agggctctcaa ggcaacgctg gccccacgac 60
25 ggagtgccag gaggactaac agtaccctta gcttgctttc ctctccctc ctttttattt 120
27 tcaagtctct ttttatttct ccttgcgtaa caaccttctt cccttctgca ccaactgccg 180
29 tacccttacc cgccccgcca cctccttgct acccactctt tgaaccaca gctgttgga 240
31 ggggtccccag ctcatgccag cctcatctcc tttcttgcta gccccaaaag ggcctccagg 300
33 caacatgggg ggcccagtc gagagccggc actctcagtt gccctctggt tgagttgggg 360
35 ggcagctctg ggggcccgtg cttgtgccat ggctctgctg acccaacaaa cagagctgca 420
37 gagcctcagg agagaggtga gccggctgca ggggacagga ggcccctccc agaattggga 480
39 agggatatcc tggcagagtc tcccggagca gaggctccgat gccctggaag cctgggagaa 540
41 tggggagaga tcccggaaaa ggagagcagt gctcacccaa aaacagaaga agcagcactc 600
43 tgtctgcac ctggttccca ttaacgccac ctccaaggat gactccgatg tgacagaggt 660
45 gatgtggcaa ccagctctta ggcgtgggag aggcctacag gcccaaggat atggtgtccg 720
47 aatccaggat gctggagttt atctgctgta tagccaggtc ctgtttcaag acgtgacttt 780
49 caccatgggt caggtggtgt ctogagaagg ccaagggaagg caggagactc tattccgatg 840
51 tataagaagt atgccctccc acccggaccg ggctacaac agctgctata gcgcaggtgt 900
53 ctccatttta caccaagggg atattctgag tgcataatt ccccgggcaa gggcgaaact 960
55 taacctctct ccacatggaa ccttccctggg actttgattt tacggatata ttgcttctgt 1020
57 tccccatgga gctccgaatt cttgcgtgtg ttagatgag gggcggggga cgggcgccag 1080
59 gcattgttca gacctggtcg gggcccactg gaagcatcca gaacagcacc accatctagg 1140
61 ggcgctcga ggaagcacc cgccggttgg ccgaagtcca cgaagccgcc ctctgctagg 1200
63 gaaaacccct gtttctccat gccacacctc tctccagggt cctctgctc cttcacccca 1260
65 caagaagcct taccctacgt ccttctctcc atctatcgga cccagtttc catcactatc 1320
67 tccagagatg tagctattat gcgcccgtct acagggggtg cccgacgatg acggtgcctt 1380
69 cgagtcfaat ttactcttcg ggtcccaagg ttctgcttcc acgcgctcca ttgccccggc 1440
71 gtggcaggcc attccaaggc cttccggggt ggaactgggt tcggaggagc ctcgggtgta 1500
73 tcgtacgccc tgggtgttgt gttgcctcac tccctctgagc tcttctttct gatcaagccc 1560
75 tgcttaagt taaataaaat agaataaatg ataaaaaaa aaaaaaa 1607
78 <210> SEQ ID NO: 2

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79 <211> LENGTH: 247
80 <212> TYPE: PRT
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 2
85 Met Pro Ala Ser Ser Pro Phe Leu Leu Ala Pro Lys Gly Pro Pro Gly
86 1 5 10 15
89 Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala Leu Trp
90 20 25 30
93 Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala Met Ala Leu
94 35 40 45
97 Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg Glu Val Ser Arg
98 50 55 60
101 Leu Gln Gly Thr Gly Gly Pro Ser Gln Asn Gly Glu Gly Tyr Pro Trp
102 65 70 75 80
105 Gln Ser Leu Pro Glu Gln Ser Ser Asp Ala Leu Glu Ala Trp Glu Asn
106 85 90 95
109 Gly Glu Arg Ser Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys
110 100 105 110
113 Lys Gln His Ser Val Leu His Leu Val Pro Ile Asn Ala Thr Ser Lys
114 115 120 125
117 Asp Asp Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu Arg Arg
118 130 135 140
121 Gly Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln Asp Ala
122 145 150 155 160
125 Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr Phe
126 165 170 175
129 Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln Glu Thr
130 180 185 190
133 Leu Phe Arg Cys Ile Arg Ser Met Pro Ser His Pro Asp Arg Ala Tyr
134 195 200 205
137 Asn Ser Cys Tyr Ser Ala Gly Val Phe His Leu His Gln Gly Asp Ile
138 210 215 220
141 Leu Ser Val Ile Ile Pro Arg Ala Arg Ala Lys Leu Asn Leu Ser Pro
142 225 230 235 240
145 His Gly Thr Phe Leu Gly Leu
146 245
149 <210> SEQ ID NO: 3
150 <211> LENGTH: 15
151 <212> TYPE: PRT
152 <213> ORGANISM: Artificial
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Synthetic peptide
157 <400> SEQUENCE: 3
159 Cys Pro Ile Asn Ala Thr Ser Lys Asp Asp Ser Asp Val Thr Glu
160 1 5 10 15
163 <210> SEQ ID NO: 4
164 <211> LENGTH: 250
165 <212> TYPE: PRT
166 <213> ORGANISM: Homo sapiens

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168 <400> SEQUENCE: 4

170 Met Pro Ala Ser Ser Pro Phe Leu Leu Ala Pro Lys Gly Pro Pro Gly
171 1 5 10 15
174 Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala Leu Trp
175 20 25 30
178 Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala Met Ala Leu
179 35 40 45
182 Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg Glu Val Ser Arg
183 50 55 60
186 Leu Gln Gly Thr Gly Gly Pro Ser Gln Asn Gly Glu Gly Tyr Pro Trp
187 65 70 75 80
190 Gln Ser Leu Pro Glu Gln Ser Ser Asp Ala Leu Glu Ala Trp Glu Asn
191 85 90 95
194 Gly Glu Arg Ser Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys
195 100 105 110
198 Lys Gln His Ser Val Leu His Leu Val Pro Ile Asn Ala Thr Ser Lys
199 115 120 125
202 Asp Asp Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu Arg Arg
203 130 135 140
206 Gly Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln Asp Ala
207 145 150 155 160
210 Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr Phe
211 165 170 175
214 Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln Glu Thr
215 180 185 190
218 Leu Phe Arg Cys Ile Arg Ser Met Pro Ser His Pro Asp Arg Ala Tyr
219 195 200 205
222 Asn Ser Cys Tyr Ser Ala Gly Val Phe His Leu His Gln Gly Asp Ile
223 210 215 220
226 Leu Ser Val Ile Ile Pro Arg Ala Arg Ala Lys Leu Asn Leu Ser Pro
227 225 230 235 240
230 His Gly Thr Phe Leu Gly Phe Val Lys Leu
231 245 250

234 <210> SEQ ID NO: 5

235 <211> LENGTH: 234

236 <212> TYPE: PRT

237 <213> ORGANISM: Homo sapiens

239 <400> SEQUENCE: 5

241 Met Pro Ala Ser Ser Pro Phe Leu Leu Ala Pro Lys Gly Pro Pro Gly
242 1 5 10 15
245 Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala Leu Trp
246 20 25 30
249 Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala Met Ala Leu
250 35 40 45
253 Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg Glu Val Ser Arg
254 50 55 60
257 Leu Gln Gly Thr Gly Gly Pro Ser Gln Asn Gly Glu Gly Tyr Pro Trp
258 65 70 75 80
261 Gln Ser Leu Pro Glu Gln Ser Ser Asp Ala Leu Glu Ala Trp Glu Asn

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262				85				90				95				
265	Gly	Glu	Arg	Ser	Arg	Lys	Arg	Arg	Ala	Val	Leu	Thr	Gln	Lys	Gln	Lys
266				100					105					110		
269	Asn	Asp	Ser	Asp	Val	Thr	Glu	Val	Met	Trp	Gln	Pro	Ala	Leu	Arg	Arg
270				115					120					125		
273	Gly	Arg	Gly	Leu	Gln	Ala	Gln	Gly	Tyr	Gly	Val	Arg	Ile	Gln	Asp	Ala
274				130					135					140		
277	Gly	Val	Tyr	Leu	Leu	Tyr	Ser	Gln	Val	Leu	Phe	Gln	Asp	Val	Thr	Phe
278	145						150					155				160
281	Thr	Met	Gly	Gln	Val	Val	Ser	Arg	Glu	Gly	Gln	Gly	Arg	Gln	Glu	Thr
282						165				170						175
285	Leu	Phe	Arg	Cys	Ile	Arg	Ser	Met	Pro	Ser	His	Pro	Asp	Arg	Ala	Tyr
286						180				185					190	
289	Asn	Ser	Cys	Tyr	Ser	Ala	Gly	Val	Phe	His	Leu	His	Gln	Gly	Asp	Ile
290						195				200					205	
293	Leu	Ser	Val	Ile	Ile	Pro	Arg	Ala	Arg	Ala	Lys	Leu	Asn	Leu	Ser	Pro
294						210				215					220	
297	His	Gly	Thr	Phe	Leu	Gly	Phe	Val	Lys	Leu						
298	225															
304																

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delete

RAW SEQUENCE LISTING ERROR SUMMARY
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3

VERIFICATION SUMMARY

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date